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1 [CCAL: an interpreted language for experimentation in concurrent control](#) 
 P. Kearns, M. Freeman
 July 1987 **ACM SIGPLAN Notices , Papers of the Symposium on Interpreters and interpretive techniques**, Volume 22 Issue 7
 Full text available:  pdf(691.70 KB) Additional Information: full citation, abstract, index terms
 Concurrent Control Abstraction Language, CCAL, is an interpreted language which provides no particular control regime to the user. CCAL instead supports five primitive operations which manipulate an abstract model of inter-procedural control. This model is intrinsically concurrent, and the user is allowed to construct high-level concurrent control operations from the primitives (hence, control abstraction). The primary use of CCAL is as a vehicle by which rapid prototyping of application specifi ...

2 [Internet WORMS: past, present, and future: A taxonomy of computer worms](#) 
 Nicholas Weaver, Vern Paxson, Stuart Staniford, Robert Cunningham
 October 2003 **Proceedings of the 2003 ACM workshop on Rapid Malcode**
 Full text available:  pdf(136.01 KB) Additional Information: full citation, abstract, references, index terms
 To understand the threat posed by computer worms, it is necessary to understand the classes of worms, the attackers who may employ them, and the potential payloads. This paper describes a preliminary taxonomy based on worm target discovery and selection strategies, worm carrier mechanisms, worm activation, possible payloads, and plausible attackers who would employ a worm.

Keywords: attackers, computer worms, mobile malicious code, motivation, taxonomy

3 [Computer system reliability and nuclear war](#) 
 Alan Borning
 February 1987 **Communications of the ACM**, Volume 30 Issue 2
 Full text available:  pdf(2.50 MB) Additional Information: full citation, abstract, references, citations, index terms, review
 Given the devastating consequences of nuclear war, it is appropriate to look at current and planned uses of computers in nuclear weapons command and control systems, and to examine whether these systems can fulfill their intended roles.

4 [Design management based on design traces](#) 

Andrea Casotto, A. Richard Newton, Alberto Sangiovanni-Vincentelli
January 1991 **Proceedings of the 27th ACM/IEEE conference on Design automation**

Full text available:  pdf(807.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

VOV is an automatic manager for VLSI design. It is based on the idea that CAD tools can leave a "trace" of their execution. The trace is represented as a bipartite directed and acyclic graph, in which the nodes represent either design data or CAD transactions. By managing and analyzing the traces, VOV offers a wide variety of services related to design management, such as coordination of team design, automatic execution of CAD transactions, capture of design history and data dep ...

5 Computational models: Biologically inspired rule-based multiset programming paradigm for soft-computing



E. V. Krishnamurthy, V. K. Murthy, Vikram Krishnamurthy
April 2004 **Proceedings of the first conference on computing frontiers on Computing frontiers**

Full text available:  pdf(289.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a rule-based multiset programming paradigm, as a unifying theme for biological, chemical, DNA, physical and molecular computations. The computations are interpreted as the outcome arising out of deterministic, nondeterministic or stochastic interaction among elements in a multiset object space which includes the environment. These interactions are like chemical reactions and the evolution of the multiset can mimic the biological evolution. Since the reaction rules are inhere ...

Keywords: DNA, biologically-inspired paradigm, closed and open systems, first and second order logic, genetic and molecular computing, probabilistic rule based paradigm, soft computing

6 Especially for the deaf: Computerized conferencing for the deaf and handicapped



Murray Turoff
June 1975 **ACM SIGCAPH Computers and the Physically Handicapped**, Issue 16

Full text available:  pdf(602.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This summary paper briefly describes a unique and relatively new medium for human communication utilizing current computer and communication technology. However, emphasis is placed on the tremendous potential benefits that this form of communication can have for the deaf and physically handicapped since this form of communication eliminates restrictions on communication imposed by lack of mobility or transportation, lack of speech, and requirements of time coincidence among members of a discuss ...

7 Human communication via data networks



Murray Turoff
May 1973 **ACM SIGCAS Computers and Society**, Volume 4 Issue 1

Full text available:  pdf(985.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

There are two major reasons why you should learn something about computer conferencing. Delphi techniques, and other data network communication modes. One is that the capacity for group interaction, and one's own efficiency in communicating with others, can be significantly enhanced with a well-conceived conferencing system. We have learned this through direct experience in communication regarding the wage and price 1.2 and in system design work. The second reason, to be developed later in some de ...

8

Structure and action in distributed organizations



P. de Jong

March 1990 **ACM SIGOIS Bulletin , Pr ceedings of the c nference n Office informati n systems**, Volume 11 Issue 2-3

Full text available:  pdf(899.33 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An organization's structure specifies the formal relationships between the objects which comprise the organization. An organization's action is initiated by the communication of messages between the organizational objects. This paper describes some of the organization's structural relationships and message passing patterns. It also explores the relationship between structure and action. An organization is described using the Ubik system. Within this system, the organizational representation ...

9 The Honeywell Modular Microprogram Machine: M3



E. Douglas Jensen, Richard Y. Kain

March 1977 **ACM SIGARCH Computer Architecture News , Proceedings of the 4th annual symposium on Computer architecture**, Volume 5 Issue 7

Full text available:  pdf(383.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

M3 is intended for research into unconventional special purpose stored program elements of computer systems (for example, a distributed computer Bus Interface Unit). The principal requirements for such a machine are flexibility and modularity. M3 consists of an application independent Kernel Machine to which application-dependent Functional Modules are attached. The Kernel Machine is vertically microprogrammed; it includes highly capable microinstru ...

Keywords: Computer architecture, Microprogramming, Structured programming

10 Recent study of teaching: cybernetic foundations of learning science



K. U. Smith

August 1965 **Proceedings of the 1965 20th national conference**

Full text available:  pdf(1.53 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

APPRECIATION of the significance of computer systems for feedback analyses depends on one's understanding of the cybernetic model. Until recently, feedback control in the living system has been assumed generally to conform to the negative-feedback servo-system model for control of minimal error. We conceptualize the cybernetic model as encompassing both positive- and negative-feedback regulation and many different modes of maximal-error, variable-error, constant-error, differentiated-error, ...

11 CSSA: Language concepts and programming methodology



H. P. Böhm, H. L. Fischer, P. Raulefs

August 1977 **Proceedings of the 1977 symposium on Artificial intelligence and programming languages**, Volume 12 , Issue 8 , 64

Full text available:  pdf(725.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

CSSA (Computing System for Societies of Actors) is an experimental programming language that originated from an attempt to design a language combining various new ideas having evolved from the fields of semantics of programming languages, artificial intelligence, programming methodology, and language design in recent years: (1) Abstraction semantics improving denotational semantics by describing the semantics of programming language constructs uniformly in terms of ...

12 High level specification and design: High-Level specification and automatic generation of IP interface monitors



Marcio T. Oliveira, Alan J. Hu

June 2002 **P r e c e e d i n g s f t h e 3 9 t h c o n f e r e n c e o n D e s i g n a u t o m a t i o n**

Full text available:  pdf(96.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A central problem in functional verification is to check that a circuit block is producing correct outputs while enforcing that the environment is providing legal inputs. To attack this problem, several researchers have proposed monitor-based methodologies, which offer many benefits. This paper presents a novel, high-level specification style for these monitors, along with a linear-size, linear-time translation algorithm into monitor circuits. The specification style naturally fits the complex, ...

Keywords: alternation, formal verification, pipelining, regular expressions

13 Concepts and experiments in computational reflection 

Pattie Maes

December 1987 **A C M S I G P L A N N o t i c e s , C o n f e r e n c e p r o c e e d i n g s o n O b j e c t - o r i e n t e d p r o g r a m m i n g s y s t e m s , l a n g u a g e s a n d a p p l i c a t i o n s**, Volume 22 Issue 12

Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper brings some perspective to various concepts in computational reflection. A definition of computational reflection is presented, the importance of computational reflection is discussed and the architecture of languages that support reflection is studied. Further, this paper presents a survey of some experiments in reflection which have been performed. Examples of existing procedural, logic-based and rule-based languages with an architecture for reflection are briefly presented. Th ...

14 The denotational semantics of programming languages 

R. D. Tennent

August 1976 **C o m m u n i c a t i o n s o f t h e A C M**, Volume 19 Issue 8

Full text available:  pdf(1.70 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper is a tutorial introduction to the theory of programming language semantics developed by D. Scott and C. Strachey. The application of the theory to formal language specification is demonstrated and other applications are surveyed. The first language considered, LOOP, is very elementary and its definition merely introduces the notation and methodology of the approach. Then the semantic concepts of environments, stores, and continuations are introduced to model classes of programmin ...

Keywords: GEDANKEN, LOOP, applicative, continuation, environment, higher-order function, imperative, programming language, recursive definition, semantics, store, theory of computation

15 A new approach to distributed functional fault modeling 

Sumit Ghosh

December 1986 **P r o c e e d i n g s o f t h e 1 8 t h c o n f e r e n c e o n W i n t e r s i m u l a t i o n**

Full text available:  pdf(931.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A new approach to functional deductive fault simulation is presented in this paper. In this approach, fault models of complex functional digital components are derived using a new modeling technique and a decomposition principle. Also this approach utilizes the deductive technique [AD72] and the fault simulation algorithm is distributed in all the fault models. Every model is independent and is capable of scheduling itself for execution when it receives the input vectors and fault lists at ...

16 VLSI CAD tool integration using the Ulysses environment

Michael L. Bushnell, S. W. Director

July 1986 **Proceedings of the 23rd ACM/IEEE conference on Design automation**Full text available:  pdf(871.45 KB) Additional Information: full citation, abstract, references, citations, index terms

Ulysses is a VLSI CAD environment which effectively addresses the problems associated with CAD tool integration. Specifically, Ulysses allows the integration of CAD tools into a design automation system, the codification of a design methodology, and the representation of a design space. Ulysses keeps track of the progress of a design and allows exploration of the design space. The environment employs artificial intelligence techniques, functions as an inter ...

17 Using the university databases in help desk operations

Linda Adams DeBula

October 1998 **Proceedings of the 26th annual ACM SIGUCCS conference on User services**Full text available:  pdf(354.12 KB) Additional Information: full citation, index terms**18 Methods for organizational development**

Peter de Jong

December 1993 **Proceedings of the conference on Organizational computing systems**Full text available:  pdf(681.60 KB) Additional Information: full citation, references, index terms

Keywords: active messages, active objects, actor object model, distributed objects, distributed systems, object-based concurrent programming, organizational computer systems, organizational development, tapeworms, work flow

19 The correction of ill-formed input using history-based expectation with applications to speech understanding

Pamela K. Fink, Alan W. Biermann

January 1986 **Computational Linguistics**, Volume 12 Issue 1Full text available:  pdf(1.74 MB)  Additional Information: full citation, abstract, references, citations
Publisher Site

A method for error correction of ill-formed input is described that acquires dialogue patterns in typical usage and uses these patterns to predict new inputs. Error correction is done by strongly biasing parsing toward expected meanings unless clear evidence from the input shows the current sentence is not expected. A dialogue acquisition and tracking algorithm is presented along with a description of its implementation in a voice interactive system. A series of tests are described that show the ...

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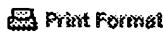
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Jan, K.; Nagel, J.H.; Hurwitz, B.E.; Schneiderman, N.;
Engineering in Medicine and Biology Society, 1991. Vol.13: 1991., Proceeding of the Annual International Conference of the IEEE , 31 Oct.-3 Nov. 1991
Pages:660 - 661

[\[Abstract\]](#) [\[PDF Full-Text \(216 KB\)\]](#) **IEEE CNF****17 Coherent ensemble averaging techniques for impedance cardiography**

Hurwitz, B.E.; Shyu, L.-Y.; Reddy, S.P.; Schneiderman, N.; Nagel, J.H.;
Computer-Based Medical Systems, 1990., Proceedings of Third Annual IEEE Symposium on , 3-6 June 1990
Pages:228 - 235

[\[Abstract\]](#) [\[PDF Full-Text \(448 KB\)\]](#) **IEEE CNF****18 Improved reliability of impedance cardiography by new signal processing techniques**

Reddy, S.P.; Shyu, L.Y.; Nagel, J.H.; Schneiderman, N.;
Engineering in Medicine and Biology Society, 1988. Proceedings of the Annual International Conference of the IEEE , 4-7 Nov. 1988
Pages:43 - 44 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(168 KB\)\]](#) **IEEE CNF****19 New signal processing techniques for improved reliability of impedance cardiography**

Shyu, L.Y.; Reddy, S.P.; Nagel, J.H.; Schneiderman, N.;
Engineering in Medicine and Biology Society, 1988. Proceedings of the Annual

International Conference of the IEEE , 4-7 Nov. 1988
Pages:41 - 42 vol.1

[Abstract] [PDF Full-Text (152 KB)] IEEE CNF

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Schneiderman, R.;
Spectrum, IEEE , Volume: 37 , Issue: 11 , Nov. 2000
Pages:61 - 65

[\[Abstract\]](#) [\[PDF Full-Text \(112 KB\)\]](#) IEEE JNL**2 A discriminating feature tracker for vision-based autonomous driving**

Schneiderman, H.; Nashman, M.;
Robotics and Automation, IEEE Transactions on , Volume: 10 , Issue: 6 , Dec.
Pages:769 - 775

[\[Abstract\]](#) [\[PDF Full-Text \(1096 KB\)\]](#) IEEE JNL**3 Learning a restricted Bayesian network for object detection**

Schneiderman, H.;
Computer Vision and Pattern Recognition, 2004. CVPR 2004. Proceedings of the 2004 IEEE Computer Society Conference on , Volume: 2 , 27 June-2 July 2004
Pages:II-639 - II-646 Vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(570 KB\)\]](#) IEEE CNF**4 Object-based image retrieval using the statistical structure of images**

Hoiem, D.; Sukthankar, R.; Schneiderman, H.; Huston, L.;
Computer Vision and Pattern Recognition, 2004. CVPR 2004. Proceedings of the 2004 IEEE Computer Society Conference on , Volume: 2 , 27 June-2 July 2004
Pages:II-490 - II-497 Vol.2

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5 Feature-centric evaluation for efficient cascaded object detection

Schneiderman, H.;

Computer Vision and Pattern Recognition, 2004. CVPR 2004. Proceedings of the 2004 IEEE Computer Society Conference on , Volume: 2 , 27 June-2 July 2004
Pages:II-29 - II-36 Vol.2

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6 Face authentication test on the BANCA database

Messer, K.; Kittler, J.; Sadeghi, M.; Hamouz, M.; Kostin, A.; Cardinaux, F.; Mi S.; Bengio, S.; Sanderson, C.; Poh, N.; Rodriguez, Y.; Czyz, J.; Vandendorpe, McCool, C.; Lowther, S.; Sridharan, S.; Chandran, V.; Parades Palacios, R.; Vi E.; Li Bai; Lin Lin Shen; Yan Wang; Chiang Yueh-Hsuan; Liu Hsien-Chang; Hu Ping; Heinrichs, A.; Muller, M.; Tewes, A.; von der Malsburg, C.; Wurtz, R.; Zheng Wang; Feng Xue; Yong Ma; Qiong Yang; Chi Fang; Xiaoqing Ding; Lu S.; Goss, R.; Schneiderman, H.;

Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on , Volume: 4 , Aug. 23-26, 2004

Pages:523 - 532

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7 A statistical method for 3D object detection applied to faces and cars

Schneiderman, H.; Kanade, T.;

Computer Vision and Pattern Recognition, 2000. Proceedings. IEEE Conference on , Volume: 1 , 13-15 June 2000

Pages:746 - 751 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(480 KB\)\]](#) [IEEE CNF](#)

8 A histogram-based method for detection of faces and cars

Schneiderman, H.; Kanade, T.;

Image Processing, 2000. Proceedings. 2000 International Conference on , Vol 3 , 10-13 Sept. 2000

Pages:504 - 507 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(432 KB\)\]](#) [IEEE CNF](#)

9 Application of ATM traffic analysis techniques in the field of digital signal processing

Schneiderman, L.;

Communications and Signal Processing, 1997. COMSIG '97., Proceedings of the 1997 South African Symposium on , 9-10 Sept. 1997

Pages:137 - 140

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10 Micro waves synergic effect on maleic anhydride catalytic esterification with 2-ethylhexanol-1

Jermolovicius, L.A.; Schneiderman, B.; Senise, J.T.; de Castro, E.R.;

Microwave and Optoelectronics Conference, 2003. IMOC 2003. Proceedings of 2003 SBMO/IEEE MTT-S International , Volume: 2 , 20-23 Sept. 2003

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**11 Pr babilistic m deling f l cal appearance and spatial relati nships
object recognition**

Schneiderman, H.; Kanade, T.;

Computer Vision and Pattern Recognition, 1998. Proceedings. 1998 IEEE Com Society Conference on , 23-25 June 1998

Pages: 45 - 51

[\[Abstract\]](#) [\[PDF Full-Text \(256 KB\)\]](#) [IEEE CNF](#)

12 Real-time Visual Processing For Autonomous Driving

Nashman, M.; Schneiderman, H.;

Intelligent Vehicles '93 Symposium , 14-16 July 1993

Pages: 373 - 378

[\[Abstract\]](#) [\[PDF Full-Text \(584 KB\)\]](#) [IEEE CNF](#)

13 A Continuous Representation Of Heart Rate

Han, K.; Nagel, J.H.; Schneiderman, N.;

Engineering in Medicine and Biology Society, 1992. Vol.14. Proceedings of the Annual International Conference of the IEEE , Volume: 2 , October 29- Novem 1, 1992

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14 Visual processing for autonomous driving

Schneiderman, H.; Nashman, M.;

Applications of Computer Vision, Proceedings, 1992., IEEE Workshop on , 30 12 Dec. 1992

Pages: 164 - 171

[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) [IEEE CNF](#)

15 Influence Of Signal Fidelity On Impedance Cardiographically Derived Values At Resting And Accelerated Heart Rates

Hurwitz, B.E.; Liang-Yu Shyu; Chih-Cheng Lu; Reddy, S.P.; Schneiderman, N. Nagel, J.H.;

Engineering in Medicine and Biology Society, 1991. Vol.13: 1991., Proceeding the Annual International Conference of the IEEE , 31 Oct.-3 Nov. 1991

Pages: 793 - 794

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 self activating<or>self activation Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 A study of self-activation and low temperature furnace annealing for source/drain formation in AMLCD**

Geum-Joo Ra; Yan Shao; Ke Chen; Urbahn, J.; Blake, J.;
Ion Implantation Technology Proceedings, 1998 International Conference on , Volume: 1 , 22-26 June 1998
Pages:142 - 145 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(316 KB\)\]](#) **IEEE CNF****2 Self Activated, 20 kW X-Band Bulk Effect Semiconductor Limiter**

Morris, G.; Higgins, V.; Hall, G.; Anand, Y.; Bilotta, R.; Jellison, F.;
Microwave Symposium Digest, MTT-S International , Volume: 79 , Issue: 1 , 1979

Pages:243 - 248

[\[Abstract\]](#) [\[PDF Full-Text \(1024 KB\)\]](#) **IEEE CNF****3 Design and operation of a self activating crowbar switch**

Clark, G.; Thio, Y.;
Magnetics, IEEE Transactions on , Volume: 20 , Issue: 2 , Mar 1984
Pages:364 - 365

[\[Abstract\]](#) [\[PDF Full-Text \(200 KB\)\]](#) **IEEE JNL****4 A novel radiation imaging sensor based on self-activated pixels**

Kavadias, S.; Misiakos, K.; Loukas, D.;
Nuclear Science, IEEE Transactions on , Volume: 42 , Issue: 3 , June 1995
Pages:155 - 162

[\[Abstract\]](#) [\[PDF Full-Text \(636 KB\)\]](#) **IEEE JNL**

5 Self-activation and representation in systems integration

Woodbury, R.F.; Quadrel, R.W.;

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6 Cathodoluminescent in heavily-doped ZnSe

Chiu, D.M.;

Energy Conversion Engineering Conference and Exhibit, 2000. (IECEC) 35th
Intersociety , Volume: 2 , 24-28 July 2000
Pages:1222 - 1232 vol.2

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7 Multimedia features in the correspondents' interface of MALL2000 systems

Hoffmann, H.-J.;

Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 2 , 7-11 June 1999
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8 Organization of the Hearsay II speech understanding system

Lesser, V.; Fennell, R.; Erman, L.; Reddy, D.;

Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on , Volume: 23 , Issue: 1 , Feb 1975
Pages:11 - 24

[\[Abstract\]](#) [\[PDF Full-Text \(2024 KB\)\]](#) [IEEE JNL](#)

9 Nongovernance rather than governance in a multiagent economic society

Takadama, K.; Terano, T.; Shimohara, K.;

Evolutionary Computation, IEEE Transactions on , Volume: 5 , Issue: 5 , Oct.
Pages:535 - 545

[\[Abstract\]](#) [\[PDF Full-Text \(176 KB\)\]](#) [IEEE JNL](#)

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| L1 | 101 | 717/144.ccls. | USPAT | OR | ON | 2004/12/17 11:28 |
| L2 | 935 | self adj activat\$4 | USPAT | OR | ON | 2004/12/17 11:28 |
| L3 | 1 | L2 and L1 | USPAT | OR | ON | 2004/12/17 11:29 |
| L4 | 168 | 717/143.ccls. | USPAT | OR | ON | 2004/12/17 11:30 |
| L5 | 71 | 717/142.ccls. | USPAT | OR | ON | 2004/12/17 11:30 |
| L6 | 211 | (L4 xor L5) (L4 and L5) | USPAT | OR | ON | 2004/12/17 11:30 |
| L7 | 61 | 706/55.ccls. | USPAT | OR | ON | 2004/12/17 11:30 |
| L8 | 272 | (L7 xor 6) (L7 and 6) | USPAT | OR | ON | 2004/12/17 11:30 |
| L9 | 1617 | 707/100.ccls. | USPAT | OR | ON | 2004/12/17 11:31 |
| L10 | 1880 | (L9 xor 8) (L9 and 8) | USPAT | OR | ON | 2004/12/17 11:31 |
| L11 | 242 | 717/108.ccls. | USPAT | OR | ON | 2004/12/17 11:31 |
| L12 | 2104 | (L11 xor 10) (L11 and 10) | USPAT | OR | ON | 2004/12/17 11:32 |
| L13 | 2190 | (1 xor 12) (1 and 12) | USPAT | OR | ON | 2004/12/17 11:32 |
| L14 | 3 | 13 and 2 | USPAT | OR | ON | 2004/12/17 11:32 |
| L15 | 211 | (4 xor 5) (4 and 5) | USPAT | OR | ON | 2004/12/17 11:35 |
| L16 | 48 | ("6256618" "5559692" "5717883" "4931928" "5940615" "6287765" "4315315" "5371895" "4866610" "6292830" "5680622" "5761511" "5276880" "4787035" "4905138" "5379366" "5487147" "5488569" "5594837" "5758163" "5878406" "5903756" "6138098" "6305011" "5404525" "5581696" "5644771" "5768588" "5774723" "5790863" "5918052" "6085029" "6226783" "6326962" "6385769" "6425118" "5335320" "5471615" "5768564" "6031993" "5640582" "6055494" "5438659" "6061519" "4531182" "5600567" "5781779" "5915116").pn. | USPAT | OR | ON | 2004/12/17 11:35 |
| L17 | 22 | ("5161203", "5175798", "5200888", "5261100", "5367449", "5377306", "5384896", "5446890", "5450314", "5475793", "5479570", "5526522", "5555345", "4734856", "5325466", "5454102", "5630123", "5669007", "5710916", "5842204", "5911072", "5956707").pn. | USPAT | OR | ON | 2004/12/17 11:35 |
| L18 | 70 | (L16 xor L17) (L16 and L17) | USPAT | OR | ON | 2004/12/17 11:36 |
| L19 | 1 | 18 and 2 | USPAT | OR | ON | 2004/12/17 11:36 |